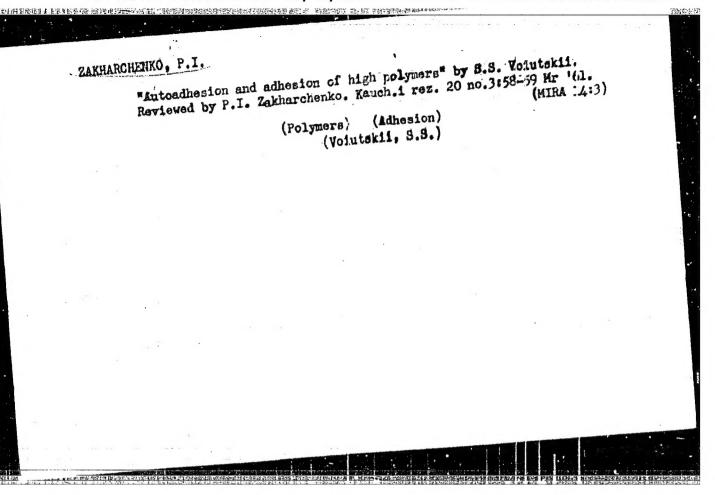


ZAKHARCHENKO, P.I.; ZIL'VESTR, Ya.Ye.

Selecting a method of manufacturing vulcanization molds for tire casings. Kauch. i rez. 20 no. 4:25-27 Np 161. (NIFA 14:5)

1. Gosudarstvennyy Komitet Soveta Ministrov SSSR po khimii. (Tires, Rubber)



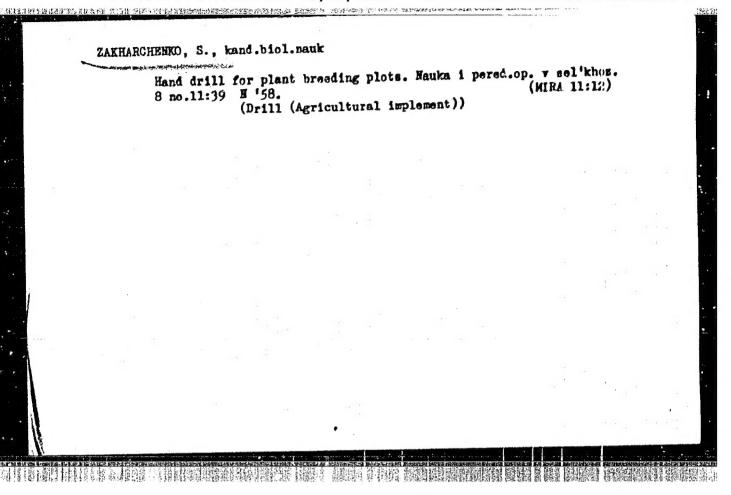
ELOKH, Grigoriy Abramovich, prof.; ZAKHARCHENKO, P.I., red.

[Organic accelerators of rubber vulcanization] Organicheskie uskoriteli vulkanizatsii kauchukov. Moskva, (MIRA 18:1)

Khimiia, 1964. 540 p.

1. Dnepropetrovskiy khimiko-tekhnologicheskiy institut im. F.E.Dzerzhinskogo (for Hlokh).

APPROVED FOR RELEASE: U3/15/2001	CIA-KDP80-00513K001963510013-2
INVENTORS: Gul', V. Ye.; Zakharchenko, P. I.; Bely Corbachev, Yu. G.	UR/0413/66/000/010/c079/0079 Tatskaya, O. N.; Gorbatova, K.
ORG: none TITLE: A method for obtaining a film-making material SOURCE: Izobretoniya, promyshlennyye obraztay, tova TOPIC TAGS: hydrochloric acid, rubber, isoprone, possible the course of substitution of l, 4-cis-isoprene rubber and the course of film making. To impart the presert in the course of film making. To impart the presert increase its resistance to aging, sorbic acid is us increase its resistance to aging, sorbic acid is us increase its resistance. SUB CODE: 11/ SUBM DATE: 02 Jan63	d for obtaining a film-making ubber. A modifier is introduced ubber. to the film and to-



5/169/62/000/008/020/090 E202/E192

Balenko, V.G., and Zakharchenko, S.N.

Certain problems of comparing the methods of harmonic AUTHORS:

analysis of Earth tides TITLE:

PERIODICAL: Referativnyy zhurnal, Geofizika, no.8, 1962, 21,

abstract 8 A 143. (Tr. Poltavsk. gravimetr. observ.

AN USSR, 10. 1961, 20-37).

The problem of systematic error in harmonic constants of the tidal waves is discussed. This arises from incomplete elimination of the disturbance waves. The recording of the observed tides suffered due to the displacement of instrument zero and random errors, and it was not therefore possible to use it for solving this problem. In order to do so, a six-monthly theoretical curve of gravity force in tidal variations was calculated, which included 79 largest waves of the lunar-solar tide. the results of processing the theoretical curve according to the methods of Dudson, Lekolyaze, Matveyev and Pertsev has shown that the smallest errors in harmonic constants were obtained with the method of Lekolyaze. Noticeable errors appearing in the remaining Card 1/2

Certain problems of comparing ... S/169/62/000/008/020/090 E202/E192

methods in wave N_2 are due to disregarding small waves with frequency close to the frequency of the N2 wave. All methods for the principal waves determined gave relative errors not greater than 1%. The problem of systematic disturbances introduced into the periodical part of the tidal ordinates by combinations stipulated by B.P. Pertsev in order to eliminate the zero shift are discussed (see Ref. zh. Geofiz. 1, 1960, 157). It was shown that: 1) longitudinally periodical waves are excluded together with the shift of zero sufficiently well; 2) as a result of incomplete attenuation of the tidal waves when the shift of zero is excluded, into the amplitudes of the determined waves is introduced a systematic error which for the waves N_2 and O_1 < 1%, for N_2 < 0.3%, and for S₂ and K₁ < 0.2%; 3) if the zero shift may be represented as a third degree polynomial over the 49-hours interval, then this will fully exclude the combination of ordinates as stipulated by B.P. Pertsev.

Abstractor's note: Complete translation.

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963510013-2"

LESNITSKAYA, V.L. prof.; ZAKHARCHENKO, S.N. (Simferopol')

Ponetrating craniocerebral gunshot wounds in children. Vop. neirokhir. 27 no.4:56-57 J1-Ag*63 (MIRA 17:2)

MATVEYEV, P.S.; ZAKHARCHENKO, S.N.

Reduction values for calculating grouped earth tidal waves for the years 1958 through 1967. Trudy Polt. grav. obser. 12:59-99 '63. (MIRA 16:9)

(Tides)

BALENIO, V.G.; ZAKHANCHERAC, S.H.

Some problems in comparing rather's of harmonic analysis of earth tides. Trudy folts grav. obser. 10:20 97 '51.

(EHRA 14:10)

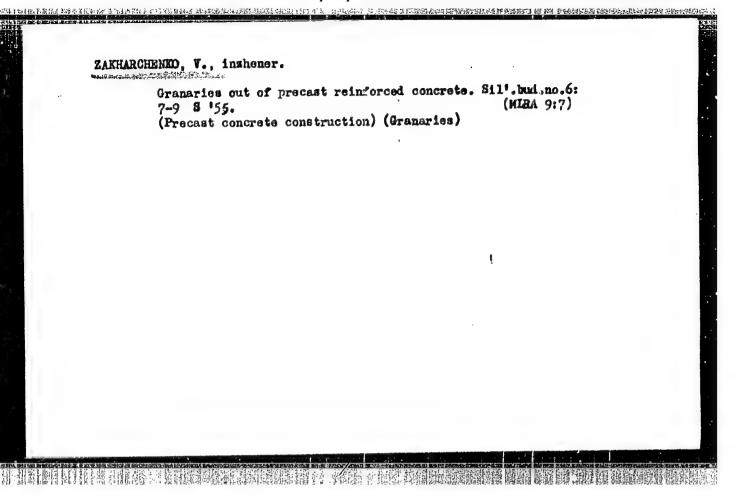
(Tides)

ZAKHARCHUK, S.S., kand. med. nauk (L'vov)

是指指的 经国际公司 医多种性性 经

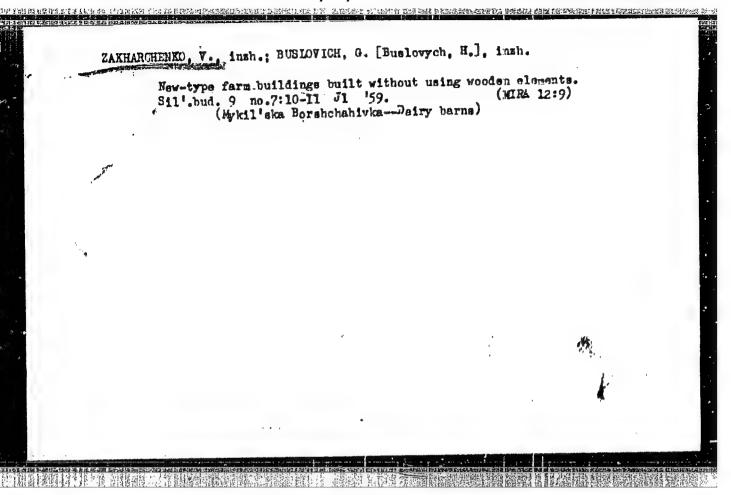
Experience with work in the organization of the detection of toxoplasmosis in pregnant women in Lwov Province. Sov. zdravo-okhr. 22 no.3:53-55 *63 (MIRA 17:1)

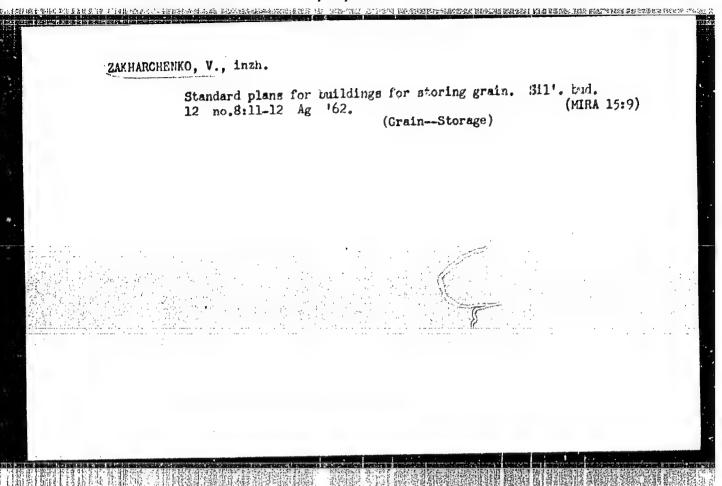
1. Iz L'vovskogo nauchno-issledovatel'skogo instituta okhrany materinstva i detstva (dir. - kand. med. nauk L.Ya.Davydov).



PERVENTSEV. A., pisatel', ; MDIVANI, G., pisatel', ; KLEBANOV, S.;
BL'SHTREM, A.; ROSTOTSKIY, S., rezhisser; SEGAL, Ya., rezhisser;
BYSTRITSKAYA, L., aktrisa; USHAKOVA, V., aktrisa; PUGOVKIN, Mikh., akter;
TIKHONOV, S., akter; ZAKHARCHENKO, V., akter; GIMZBURG, V.,
kino-operator; DUL'TSEV, V., kino-operator; SVETCZAROV, Ya., direktor
kartin; MARON, V., direktor kartin.

We speak to you, radio amateurs! Radio no. 6:3 Je *58. (MIRA 11:7) (Radio--Receivers and reception)





- 1, ZAKHARCHENKO, V.
- 2, USSR(600)
- 4. Inland Navigation
- 7. Great waterway. Eng. Tekh. molod. 20 no. 10, 1952.

9. Monthly List of Russian Accessions, Library of Congress, February 1953, Unclassified.

ZAKHARCHERKO, V.

K moriu Chernora (Toward the Black Sea).
Ris. A. Pobedinskogo Skhemy A. Katkovskogo.
Moskva, Detgiz, 1953. 96 p.

S0: Monthly List of Russian Accessions, Vol. 7, No. 5, August 1954

- 1. DOROKHOV, A., ZAKHARCHESTO, V.
- 2. USER (600)
- 4. Main Turkmen Canal
- 7. At the threshold of the land of the future. Tekh. molod. 21, No. 2, 1953.

9. Monthly List of Russian Accessions, Library of Congress, 15y 1953, Unclassified.

ZAKHATCHENKO, V.

Siberia, a treasury of water power. Tr. from the Russian. p. 19. ELEKTFOENERGIIA. Vol. 7, no. 9, Sept. 1956
Sofiia, Rulgaria.

SOURCE: East European Accessions List, (EEAL) Library of Congress, Vol. 6, No. 1, January 1957

AUTHOR:

Zakharchenko, V., Special Correspondent

SOV/29-58-8-17/23

TITLE:

Pictures of the Exhibition (Kartinki s vystavki)

PERIODICAL:

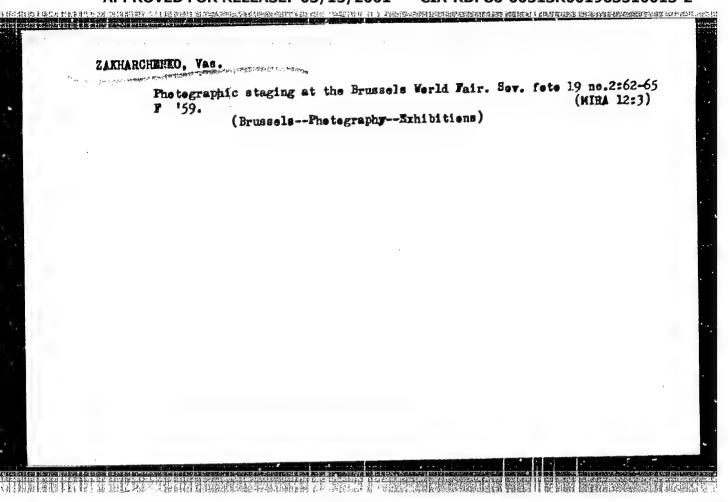
Tekhnika molodezhi, 1958, Nr 8, pp. 28-31 (USSR)

ABSTIMCT:

This is a collection of photographs taken at the Brussels International World Exhibition 1958. The photos were taken for the periodical "Tekhnika molodezhi" by special correspondent V. Zakharchenko. There are 14 figures.

1. Pictures

Card 1/1



ZAKHARCHEMKO, V., inzh.; KHANTSIN, A.[Khantsyn, A.], inzh.

Ventilation of livestock buildings. Sil'. bud. 12 no.517-9
(MIRA 16:4)

Ky '62.

(Farm buildings—Heating and ventilation)

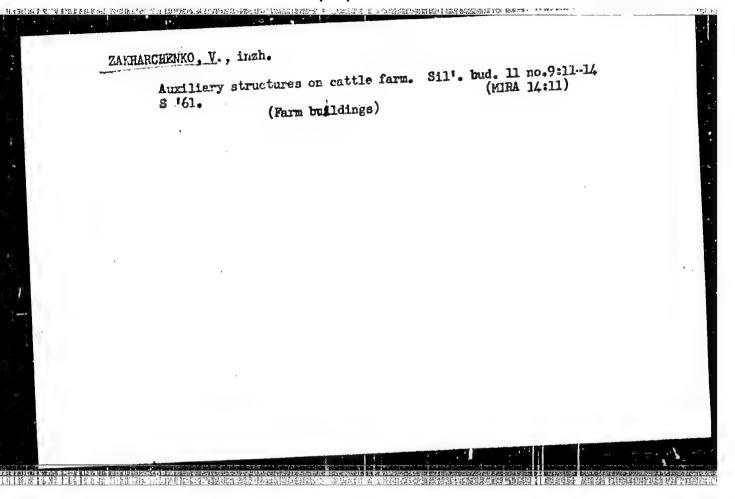
TSYBUL'SKIY, Ye.; KOMISSAROV, V., polkovnik; ZAKHARCHENKO, V., leytenant; KOVAL', A., kapitan

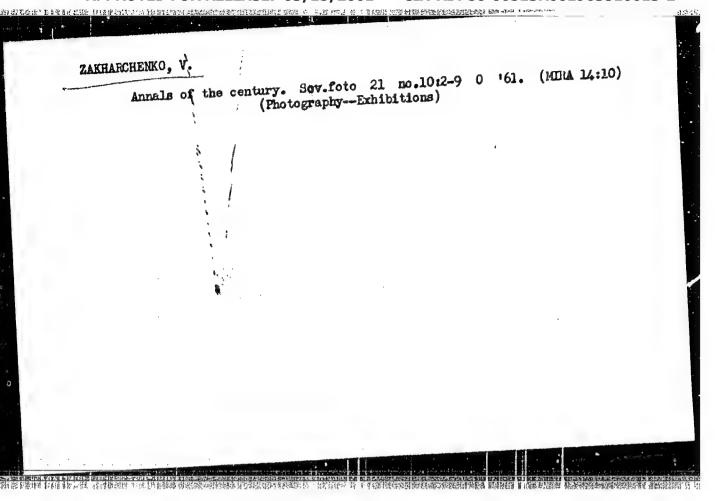
Let's encourage creative group participation. Komm.Vooruzh.Sil 2 no.6:40-45 Mr '62. (MIRA 15:3)

l. Zaveduyushchiy sektorom otoronno-massovoy raboty TSentral'nogo komiteta Vsesoyuznogo leninskogo kommunisticheskogo soyuza molodezhi (for TSybul'skiy). 2. Starshiy instruktor redaktsii zhurnala "Kommunist Vooruzhennykh Sil" (for Koval'). (Communist Youth League) (Russia-Armed forces-Political activity)

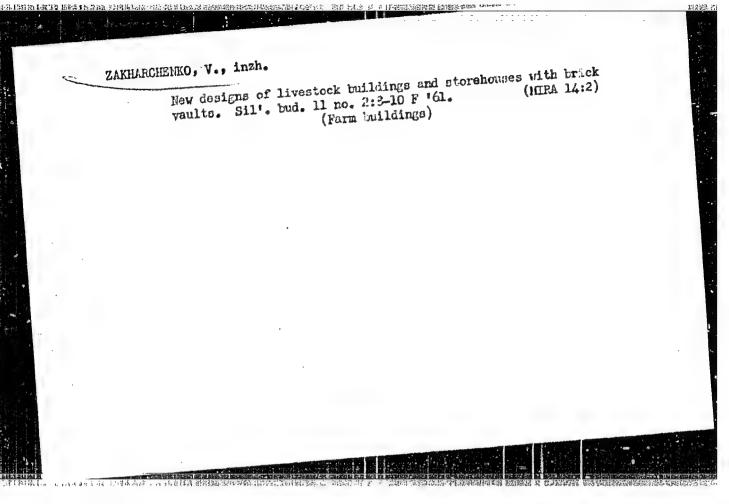
ZAKHARCHENKO, V., inzb.

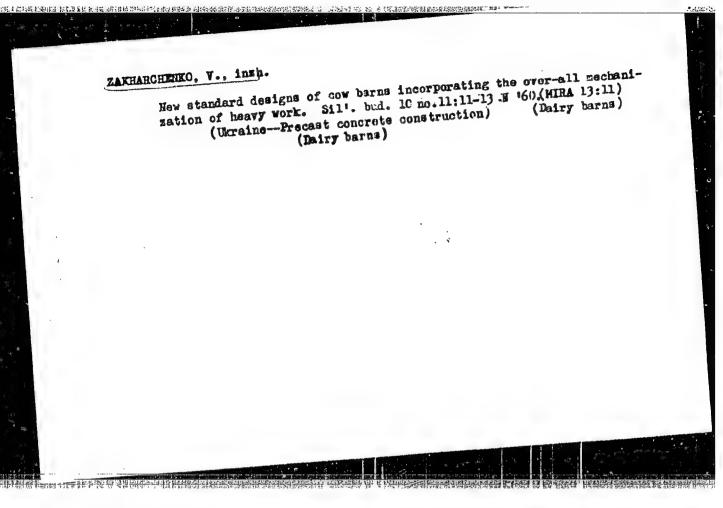
Design details of buildings for keeping swine. Bud.mat.i konstr.
(MIRA 15:8)
4 no.4:42.45 Jl-Ag '62.
(Swine houses and equipment) (Precast concrets construction)

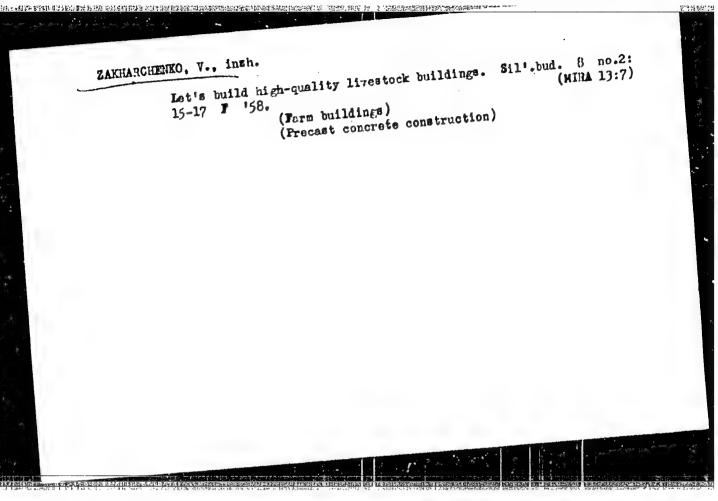


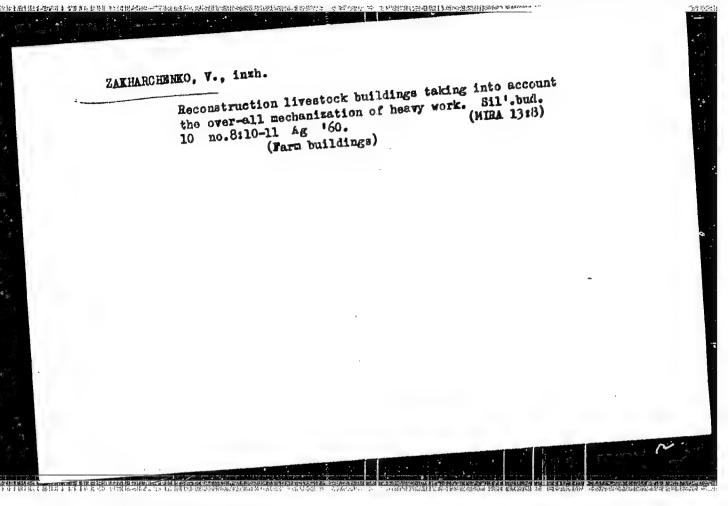


Sign of our times ("The awakened East; notes of Soviet newspapermen on N.S.Khrushchev's visit to India, Burma, Indonesia, and Afgmanistan" on N.S.Khrushchev's visit to India, Burma, Indonesia, and Afgmanistan" on N.S.Khrushchev. Reviewed by V. Zakharchenko). by A. Adahubei and others. Reviewed by V. Zakharchenko). (KIRA 14:8) (Russia-Foreign relations-Asia) (Russia-Foreign relations-Asia) (Khrushchev, Nikita Sergeevich, 1894*) (Adahubei, A.) (Adahubei, A.)



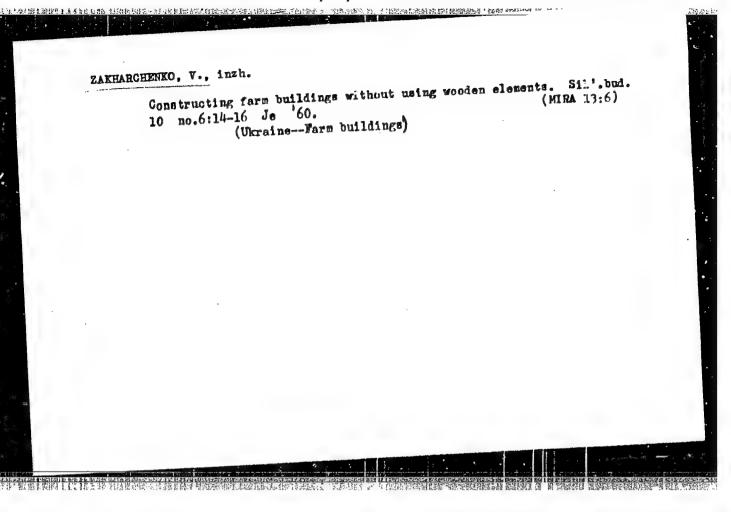


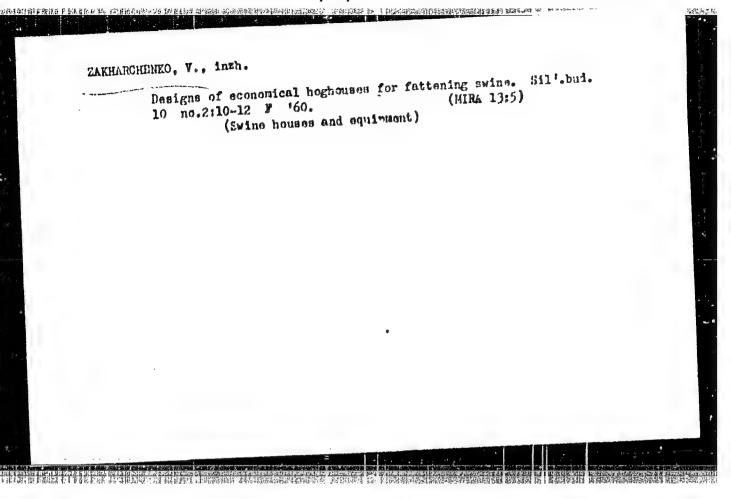




"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963510013-2





KRAVCHENEO, V.: ZAKHARCHENKO, V., inch.

Using precast reinforced concrete construction elements in constructing farm buildings. Sel'.stroi. 9 no.6:5-9 8 '54. (MIRA 13:2)

1. Rukovoditel arkhitekturno-planirovochnoy masterskoy Giprosel stroya USSR (for Kravchenko). 2. "Giprosel stroy" USSR (for Zakharchenko).

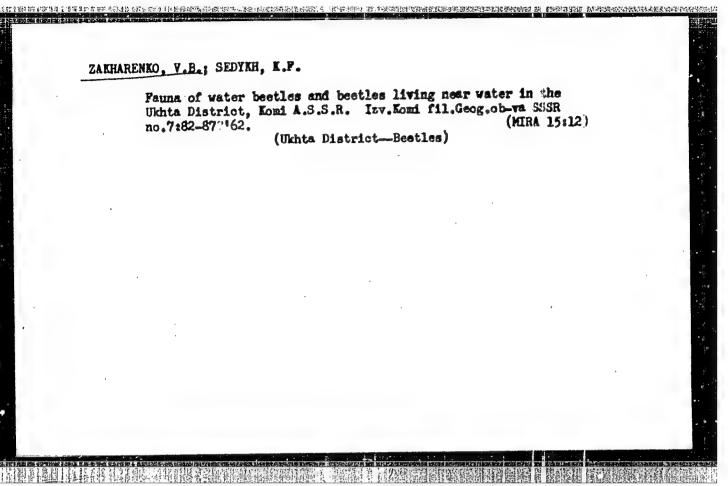
(Farm buildings) (Precast concrete construction)

ZAKHARENKO, V.A.

Using carbine for controlling wild oats in wheat fields.
Agrobiologiia no.1:153-155 Ja-F *64 (MIRA 17:8)

1. Sovkhoz "Novo-Aleksandrovskiy", TSelinogradskaya oblasti.

ZAKHARENKO, V. A.: Master Chem Sci (diss) -- "Chemism of the destructive hydrogenation of hydrocarbons in the presence of the catalyst WS2 + aluminum silicate". Moscow, 1958, published by the Acad Sci USSR. 12 pp (Acad Sci USSR, Inst of Mineral Fuels), 185 copies (KL, No 4, 1959, 121)



ZAKHARCHENKO, Vasiliy Dmitriyevich; ANTIPINA, L., red.; MIKFAYIO'SKAYA,N., tekhin. red.

[Fifteen unmailed letters] Piatnadtsat' neotpravlennykh pisem.
Moskva, Izd-vo TsK VLKSM "Molodaia gvardiia," 1961. 269 p.
(MIRA 15:2)

(United States-Social conditions)
(Russia-Social conditions)

ZAKHARCHENKO, Vasiliy Dmitriyevich; ANTIPINA, L., red.; YEGOROVA, I., tekhn. red.

[Swallows are returning from Africa] Lastochki prileteiut 1: Afriki. Moskva, Izd-vo Tsk VIKSM "Molodaia gvardiia," 1962.

(Milv. 16:7)

(Mali--Politics and government)

(Mali--Description and travel)

ZAKHARCHENKO. U.D.; OBRAZTSOV, V.M., akademik, redaktor; DOTSENKO, M., redaktor; MINEVICH, I., tekhnicheskiy redaktor.

[Engines] Dwyhun; Pid red. V.M.Obraztsova. Pereklad z roziis'kcho wydannia. Kyiv, Derzhavne wyd-vo tekhnichnoi lit-ry Ukrainy,

1951. 55 p. (Gas and oil engines)

ZAKIARCHENKO, V.D.; OBRAZTSOV, V.N., redaktor.

[Motor; internal combustion engines] Motor; o dvigateliakh
vmutrennego sgoraniia. Pod red. V.N.Obraztsova. Isd. 2-e,
Koskva, Gostekhizdat, 1954. 56 p. (MLRA 7:11D)

ZAKHARCHNNKO, Vasiliy

Hotebook with a blue eye. Sov.foto 20 no.3:20-23 Nr 163. (MRA 13:7)

(Photography)

EOLKHOVITINOV, Viktor Bikolayevich; BUYANOV, Aleksandr Fedorovich;

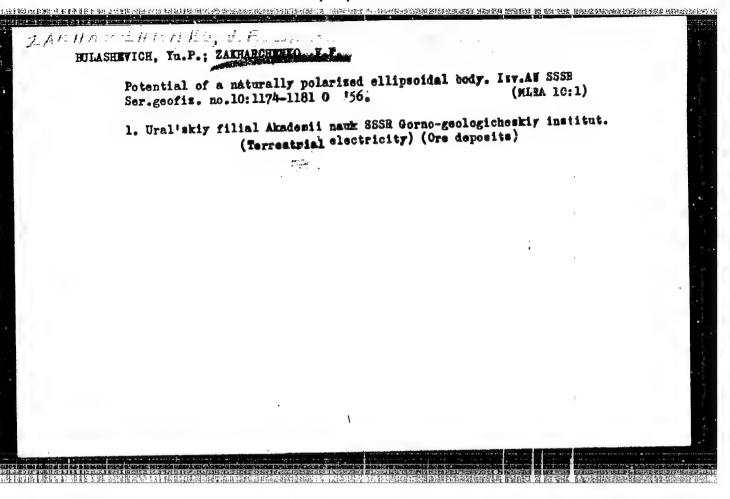
ZAKHAKCHENKO, Vasiliy Dmitriyeyich; OSTROUMOV, Georgiy Mikolayevich;
ORLOV, V., red.; MONOZOV, S., red.; PEKELIS, V., red.; YIBOROVi, I.,
tekhn.red.

[Stories from the history of Russian science and technology]
Rasskazy iz istorii russkoi nauki i tekhniki. Pod obshchei red.
V.Orlova. Moskva, Izd-vo Tsk VLKSM "Molodaia gvardiia," 1957.
589 p.

(Science-History) (Technology-History)

ZAKHARCHENKO, V. F., SKROZKIY, G. V., KURBATOV, L. V., (Sverdlovsk)

"A Contribution to the Fereday end Kerr Effects for the Redio Frequency," paper presented at the International Conference on Physics of Magnetic Phenomena, Sverdlovsk, USSR, 23-31 May 1956



2 AKHARCHENKO V.

48-9-19/26

AUTHORS:

Skrotskiy, G.V., Zakharchenko, V. F.

TITLE:

A Note on the Theory of the Kerr- and Faraday Effect Obtained with Radio Frequencies (K teorii effektov Kerra i Faradeya na radio-

PERIODICAL:

Izvestiya AN SSSR Seriya Fizicheskaya, 1957, Vol. 21, Nr 9,

pp- 1297-1301 (USSR)

ABSTRACT:

It is shown here that all relations determining the magnitude of the Kerr- and Paraday effect can be obtained from solutions of the Maxwell equations for a medium, if the boundary conditions are given. The equations for the diffraction indexes are deduced. These coefficients determine the phase velocity on light which is left- and righthanded circularly polarized. The equation for the coefficients of the damping of this wave is deduced. When the electromagnetic wave proceeds in an infinite homogeneous medium in a direction parallel to the vector of the polarization ellipse turns monotonously. denotes the complex vector of gyration. The equation for the rotation angles of the polarization ellipse are deduced. They are functions of the parameters &, µ, and Γ, μ denoting the complex permeability, These three quantities are, generally spoken, frequency functions of the radiowave field.

Card 1/2

A Note on the Theory of the Kerr- and Faraday Effect Obtained 48-9-19/26 with Radio Frequencies.

> The complex permeability μ is a very slowly changing monotonous frequency function in the range of high frequencies. The dispersion formulae for n and T can be found on the basis of one or another model of a magnetic substance. In the case of paramagnetic substances, having a spin system, which is responsible for their magnetic properties, an equation for the modification of the transverse part of the high frequency magnetization (m_, m_) is set up. It is shown that in the case of paramagnetic substances the rotation angles of the polarization ellipse for the normal Kerr effect ψ_K in the vicinity of resonance, even under the most favourable conditions do not rise above a few minutes of angle. In the case of ferromagnetic substances with a good electric conductivity, ϑ_{κ} may reach in weak fields a few hundredths of a radiation. In ferromagnetic substances with a great relaxation time a strongly marked resonance of the rotation angle of the polarization ellipse occurs. If the relaxation times are short $(10^{-8} - 10^{-10} \text{ sec})$ the resonance character of the phenomenon is much weaker. There are 2 figures and 4 Slavic references.

ASSOCIATION: Physical-Technical Faculty of the Ural- Polytechnical Institute (Fiziko-tekhnicheskiy fakul'tet Ural'skogo politekhnicheskogo instituta)

Card 2/2

507-132-58-9-8/18 Poromarev, V.N. and Zakharchenko, V.F. The Utilization of Measurements of the Magnetic Field in Pro-AUTHORS: specting Pits for the Determination of the Magnetization of Rocks Under Conditions of Their Natural Occurrence (Ispel -TITLE: zovaniye izmereniy magnitnogo polya v shurfaklı dlys. opredeleniya namagnichennosti gornykh porod v usloviyakh ikh yestestvennogo zaleganiya) Razvedka i okhrana nedr, 1958, Nr 9, pp 33-35 (USSR) The intensity of the magnetization of minerals can be de-PERIODICAL: termined by the examination of core samples taken from prospecting pits, but, as the magnetizing compenent is not even-ABSTRACT: ly distributed, the obtained results will not show the real degree of magnetization. The authors propose a mathod of calculation of the degree of magnetic intensity, by studying it under the conditions of natural occurrence of the minerals. Prospecting pits and bore holes can be used for this purpose. Analytical and graphical calculations are given in detail. The use of the MP-1 magneneter is recommend-There are 3 graphs and 1 Soviet reference. Card 1/2

507-132-58-9-8/18

The Utilization of Measurements of the Magnetic Field in Prospecting Pits for the Determination of the Magnetization of Rocks Under Conditions of Their Natural Occurrence

ASSOCIATION: (UFAN)

1. Geology--USSR 2. Magnetic fields--Measurement 3. Minerals -- Sampling 4. Geophysical prospecting

Card 2/2

N. NOCH OR OF BUILDING SERVICE STATES AND AND A METERS.

ZAKHARCHENKO U, F. 56-2-36/51

AUTHORS: Stepanov, V. G., Zakharchenko , V. F. , Bezel', V. S

TITLE: Rotating Plasma (0 vrashchayushcheysya plazme)

PERIODICAL: Zhurnal Eksperimental'noy i Teoretideskoy Fiziki, 1958,

Vol. 34, Nr 2, pp. 512 - 513 (USSR)

ABSTRACT: Starting from the essential characteristics of freezing magnetic lines of force in a plasma it is not difficult to

draw conclusions on the possibility of imparting retating notions to a plasma by means of a rotating magnetic field. In the experimental apparatus of the authors the plasma was stimulated in a glass flask (350 mm height and 60 mm diameter). The tantalum anode was in the upper part of the flask and liquid mercury served as cathods. The rotating magnetic field was originated by two pairs of coils with iron cores at right angles to each other. The mean field strength in

the flask was 325 Örsted. First the following was found: With the magnetic field applied and no discharge present the rotating wheel within the flask remained without motion.

the rotating wheel within the liask leading abplied the Card 1/3 With discharge present and no magnetic field applied the

56-2-36/51

Rotating Plasma

rotating wheel also remained motionless. The switching on of the rotating magnetic field with discharge present in the flask set the rotating wheel in motion. With increasing pressure the maximum velocity of rotation of the rotating wheel was reached within shorter periods. A change of the direction of magnetic field caused an intensive slowing down of the rotating wheel with subsequent acceleration to maximum speed. In these experiments the current flowing through the flask was kept constant at 12 A. By means of stroboscopic measurements the authors could determine that the velocity of rotation of the rotating wheel which had become steady was about 50 revolutions per second, the magnetic field rotating with about 50 fevolutions per second. The results obtained make it possible to estimate that force which was exercised by the ionized gas in the rotating magnetic field on the rotation wheel. The moment of frictional forces can be neglected here. A cas with a density of about 1017 is in interaction with the rotating wheel; this density is about equal to that of mercury vapors. There are 5 references, 3 of which are Slavic.

Card 2/3

Rotating Plasma

56-2-36/51

ASSOCIATION: Ural Folytechnical Institute (Ural'skiy politekhnicheskiy institut)

SUBMITTED:

Hovember 4, 1957

AVAILABLE:

Library of Congress

1. Plasma-Motion 2. Magnetic fields-Motion

Card 3/3

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5/139/60/000/01/019/041 E201/E491

24,2120

AUTHORS:

Stepanov, V.G.; Zakharchenko, Y.F. and Bezel'

TITLE:

Motion of a Plasma in a Moving Magnetic Field

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Fizika,

1960, Nr 1, pp 104-114 (USSR)

ABSTRACT:

The authors deal with motion of a charged particle in a rotating magnetic field. It is shown that the hydrodynamic approximation can be used to study motion of ionized gas in a rotating magnetic field at field frequencies much smaller than the Larmor frequency. The theoretical results were checked experimentally on a plasma excited in a vertical glass tube of 380 mm height and 60 mm diameter. A tantalum anode was placed in the upper end of the tube, and liquid mercury at the bottom of the tube served as the cathode (Fig. 1). A rotating magnetic field of 325 Oe intensity was produced by two pairs of mutually perpendicular coils with iron cores; the circuit is shown in Fig 2 and the spatial distribution of coils in Fig 3. Inside the tube, the authors placed a light four-winged quartz vane, supported

Card 1/2

69445 S/139/60/060/01/019/041 E201/E491

Motion of a Plasma in a Moving Magnetic Field

vertically between a pair of agate bearings. On application of the rotating magnetic field to the plasma the vane rotated in the same direction as the applied magnetic field. This rotation occurred only above a certain critical pressure, which was 10⁻³ mm Hg in the authors' apparatus. The maximum steady-state rate of rotation was 50 rev/sec. From an approximate calculation of the forces acting on the vane, the authors deduced that the whole volume of the gas rotated, like a conducting liquid, in agreement with the theoretical predictions. There are 3 figures and 5 references, 4 of which are Soviet and 1 a translation from English into Russian.

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ASSOCIATION: Ural'skiy politekhnicheskiy institut imeni S.M. Kirova (Ural Polytechnical Institute imeni S.M. Kirov)

SUBMITTED: January 26, 1959

Card 2/2

ZAKHARCHENKO, V.F.

Theory of boundary effects of neutron geophysics. Izv. AN SSSR. geofix. no.12:1811-1818 D '64. (MIRA 18:3)

1. Institut geofiziki Ural'skogo filiala AN SSSR.

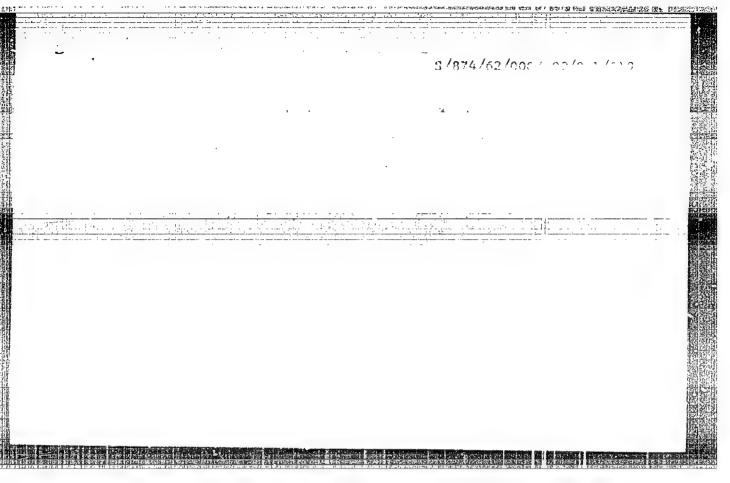
ZAKHARCHENKO, V.F.

Distribution of thermal neutrons, allowing for deceleration, as applicable to pulse-source neutron measurement in geophysics.

12v. AN SSSR. Ser. geofix. no.10:1522-1531 0 '63. (MIRA 16:12)

1. Institut geofiziki Ural'akogo filiala AN SSSR.

\$/874/62/000/002/001/019 D218/D308 Zakharchenko, V.F. On the applicability of approximate methods of neu-AUTHOR: tron-transport theory to the solution of problems in TITLE: neutron geophysics Marine name SSOR. Ural'skiy filial. Institut geo-112181. France of the Service no. 3, 17-45 This is a review paper concerned with the application of acutraterransport theory to borehole neutron apectroscopy. are with mitter: (1) definition of the (5) slowing down density, you the specific Card 1/2



ZAKHARENKOV, V.F.; KAYDANOVSKIY, N.L.; PARIYSKIY, Yu.N.; PROZOROV, V.A.

Observations of discrete radio sources at 3.2 cm. wave length
at Pulkovo. Astron.zhur. 40 no.2:216-222 Mr-Ap '63. (MIFA 16:3)

1. Glavnaya astronomicheskaya observatoriya AN SSSR.
(Radio astronomy)

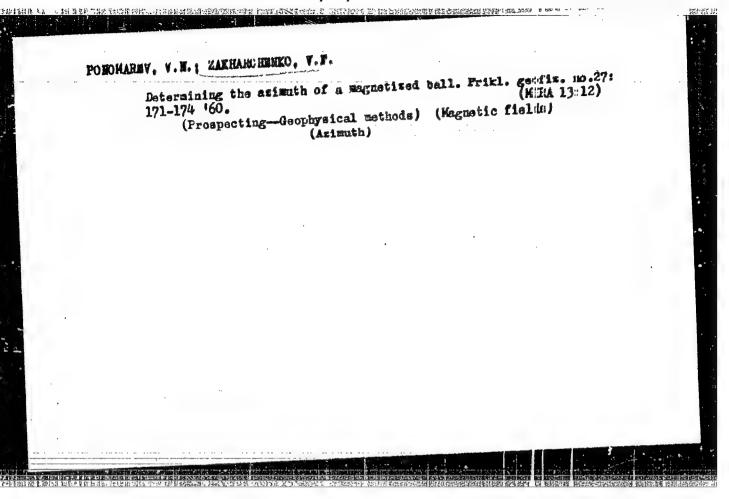
ZAKHAICHENKO, V.F.

Some problems in the theory of neutron logging by the use of a pulse neutron generator. Izv.AN SSSR.Ser.geofiz. no.6:847-854 Je 161.

(MIRA 14:5)

1. Akademiya nauk SSSR, Uraliskiy filial, Institut geofiziki.

(Radioactive prospecting) (Neutrons)



STEPANOV, V.G.; ZAKHARCHENKO, V.F.; BEZEL', V.S.

Movement of a plasma in a moving magnetic field. Izv. vys. ucheb.
zav.; fiz. no. 1:104-114 '60. (MIRA 13:12)

1.Ural'skiy politekhnicheskiy institut imeni S.H. Kirova. (Plasma (Ionized gases)) (Magnetic fields)

ZAKHARCHENEO, V.G., inshener.

Using telescoping towers to insulate ladders while working on 35-220 k.v. power lines. Energetik 5 no.3125-26 Kr '57.

(Electric lines)

PONOMAREV, V.N.; ZAKHARCHENEO, V.F.

Using measurements of borchole magnetic fields for determining the magnetization of rocks in places of their occurrence.

Razved i okh. near 23 no.9:33-35 S '58. (MIRA 11:12)

1. Ural'akiy filial AN SSSR. (Rocks--Magnetic properties)

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USBR/Pharmacology. Toxicology. Toxicology

Abs Jour : Ref Zhur-Biol., No 8, 1958, 37713

Author Inst : 2akharchenke V. I. : Omsk Medical Institute

Title

: Reactivity of Tissue Elements of the Central and Peripheral Divisions of the Nervous System of Animals in Chronic Tetraethyl Lead Intoxication. (Reaktivnost' tkanevykh elementov tsentral'novo i perifericheskovo otdelov nervnoy sistemy zhivotnykh pri khronicheskom otravlenii tertae-

tilsvintsom).

Orig Pub : Tr. Omskovo Med. in-ta, 1957, No 23, 148-155

Abstract

: Histological investigations of the central norvous system at the spot where the poison was administered to rats and guinea pigs who for periods of 21 to 45 days were subjected to intoxication by tetraethyl lead revealed that the

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ZAKHARCHENKO, V.I., assistent

Morphological changes in some sections of the central and peripheral nervous system of white rats from small doses of tetraethyl lead poisoning. Trudy OMI no.25:205-210 159.

1. Iz kafedry gistologii (mskogo meditsinskogo instituta imeni Kalinina, zav. kafedroy prof. A.A.Nikiforova. (LEAD POISONING)

(NERVOUS SYSTEM DEGERMERATION AND REGENERATION)

ZAKHARCHERKO, V. I., Cand Med Sci (diss) -- "Histological changes in certain portions of the central nervous system and skin in chronic poisoning with tetraethyl lead (TES)". Omsk, 1959. 14 pp (Min Health RSFSR, Cmsk State Med Inst Im M. I. Kalinin), 200 copies (KL, No 10, 1960, 136)

ZAKHARCHENKO, V.N.; LUNINA, M.A.

Rotary viscometer for measurements at low tangential stresses. Zhur. fiz. khim. 39 no. 1:253-254 Ja *65 (MIRE 19:1)

1. Khimiko-tekhnologicheskiy institut imeni D.I. Kendeleyeva, Moskva. Submitted January 23, 1964.

ZAKHARCHENKO, V. N., gornyy inzh.; TUMAKOV, V. A., gornyy inzh.;
PYS', F. N., gornyy inzh.

Working thin ore bodies with slim inclined boreholes. Gor. zhur. no.11:36-41 N '62. (MIRA 15:10)

1. Sredneaziatskiy gosudarstvennyy institut tavetnykh metallov, Almalyk, Tashkentskaya oblast'.

(Kurgashinkan region-Boring)

14-57-6-12204

Translation from:

Referativnyy zhurnal, Geografiya, 1957, Nr 6,

p 73 (USSR)

AUTHOR:

Zakharchenko, V. T.

TITLE:

Adding of New Land and Improvement of Reclamation Techniques in the Irrigated Lands of the Turkmen SSR (Osvoyeniye novykh i uluchsheniye meliorativnogo sostoyaniya oroshayemykh zemel' v Turkmenskoy SSR)

PERIODICAL:

Tr. 8-y ob"yedin. sessii AN TurkmSSR po vopr. str-va Karakumsk. kanala i dal'neysh. razvitiya khlopkovodstva v Turkmenistane, 1955, Ashkhabad, 1956, pp 28-56

ABSTRACT:

The Amu-Dar'ya and Murgab regions are anticipating an increase in the amount of irrigated land in the years to come. Reclamation techniques suitable for these regions are discussed in this article. The author proposes a number of essential reclamation measures, emphasizing specially construction of collector

Card 1/2

14-57-6-12204

· Adding of New Land and Improvement (Cont.)

drainage nets which will greatly improve the land. In connection with this he states that water collection and distribution systems should be improved. He criticizes the republic's scientific water program, and declares that the first order of business should be the study of water loss in irrigation ditches and the methods for its prevention, the building and utilization of collecting drainage nets suitable to local conditions, and the prevention of salting the fields with irrigation waters.

Gard 2/2

G. D.

ACC NRI AR7000941

SOURCE CODE: UR/0273/66/000/010/0036/0636

AUTHOR: Isayev, A. I.; Zakharchenko, V. V.

TITLE: The role of the injector in the organization of the process of fuel feeding

SOURCE: Ref. zh. Dvigateli vnutrennego sgoraniya, Abs. 10.39.265

REF SOURCE: Tr. Permsk. s.-kh. in-t, no. 34, 1966, 17-39

TOPIC TAGS: fuel, digital computer, fuel injector, FUEL INCECTION

ABSTRACT: A description is given of a study to determine the influence of the individual elements of an injector on the course of the process of fuel feeding. A peg injector was selected for the investigations, which were carried out mainly by calculation on a "Strela" digital computer. [Translation of abstract]

[GC]

SUB CODE: 21/

Card 1/1

UDC: 621, 436, 038, 8

 KAVETSKIY, N.Ye., prof.; GRIHBERG, Ya.H., dotsent; ZAKHARCHENKO, V.V.; KUL'NEVICH, N.G.

Some results of sanatorium and health resort therapy in patients with cardiovascular diseases under the climatic conditions of the middle Volga Valley, Kaz.med. zhur. no.1:16-18 Ja-1818.

(MIRA 1.6:8)

l. Fakul'tetskaya terapevticheskaya klinika (zav. - prof. N.Ye. Kavetskiy) Kuybyshevskogo meditsinskogo instituta.

(CARDIOVASCULAR SYSTEM—DISEASES)

(KUYBYSHEV PROVINCE—HEALTH RESORTS, WATERING PLACES, ETC.)

ZAKI	ARCHENKO, V.Ye., inzh.			
	Cunite operations on reinfortruboprov. 6 no.5:20-22 My (Guni	rced concrete reserv 161. te)	roirs. Atroi. (MIRA 14:7)	

AFANAS'YKV, Yakov Vasil'yevich, prepodavatel; ZAKHARCHENED, Zoya Ivanovna, prepodavatel; OSTAPHEKO, Nikolay Nikolaysvich, sasluzhennyy uchitel' professional'no-tekhnicheskogo obrazovaniya RSFSR; BILINSKIY, H.Ya., red.; SUSHKEVICH, V.I., tekhn.red.

[Monual on the general technology of metals] Matodichenkoe posobie po obshchei tekhnologii metallov. Moskva, Vses.uchebno-pedagog.izd-vo Trudreservizdat, 1958. 209 p.

(MIRA 14:1)

(Motals) (Motalwork)

PHASE I BOOK EXPLOITATION

1202

Afanas'yev, Yakov Vasil'yevich; Zakharchenko, Zoya Ivanovna; Ostapenko,

Metodicheskoye posobiye po obshchey tekhnologii metallov (Manual of Methodology for the [teaching of] General Technology of Metals) Moscow, Trudrezervizdat, 1958. 209 p. 10,000 copies printed.

Ed.: Bilinskiy, M. Ya.; Tech. Ed.: Sushkevich, V. I.

PURPOSE: This book is intended for teachers giving a course of instruction in the technology of metals.

COVERAGE: The book systematically outlines material to be covered. suggested manner of presentation is intended only as a guide, the instructor being encouraged to make changes wherever they seem desirable. Topics covered include: properties of metals, production of irm and steel, heat treatment, nonferrous metals, nonmetallic materials, casting, forming, Welding, soldering, machining, and bench work. No personalities are mentioned. There are 22 references, all Soviet.

card 1/14

"APPROVED FOR RELEASE: 03/15/2001

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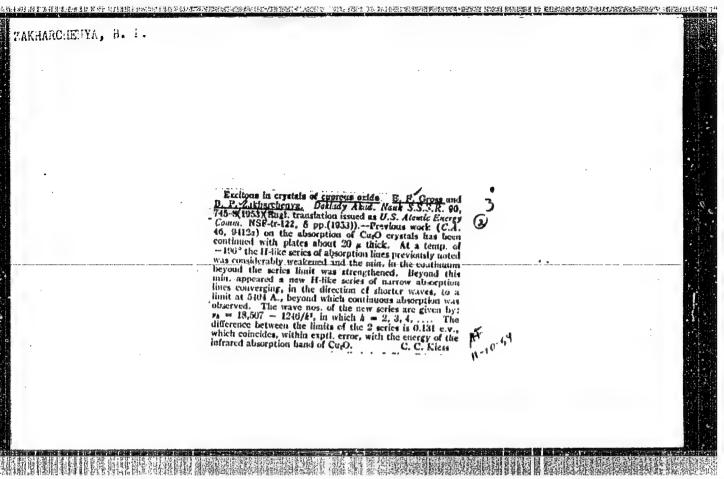
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 ZAKHARCHENYA, B. P.

的人类和创新基本的人,哪里在包括是我们理想中的第三人称形式中国的法国的政策是自然的共享的。如此是一些一个一个

USSR/Physics - Low Temperatures, 11 Sep 53 Cuprous Oxide

"Excitons in Cuprous Oxide Crystal at Temperature of Liquid Helium (4.2°K)," Ye. F. Gross, Corr Mem Acad Sci USSR, B. P. Zakharchenya and N. M. Reynov, Leningrad Phys-Tech Inst, Acad Sci USSR

DAN ESSR, Vol 92, No 2, pp 265-267

Continue previous investigations of spectrum of Cu₂O (Gross et al, DAN 84, Nos 2, 3, (1952), 90, No 5, (1953)) using still lower temps and equipment of higher disperison. Absorption lines of H-like series,

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ascribed to exciton spectrum, narrowed and shifted violetwards. Results are tabulated. Rec 9 Jul 53.

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Institution Submitted	: Leningrad Fr	ysico-Technical In	stitute of the Acad	, of 3cs, of the	USSR

ZAKHARCHENYA, B.P

SUBJECY USSR / PHYSICS

SSR / PHYSICS

PA - 1982

AUTHOR

GROSS, E.F., ZACHARČENJA, B.P.

TITLE

PERIODICAL

The Linear and the Quadratic ZEEMAN Effect and the Diamagnetism

CARD 1 / 2

of the Exiton of Cuprous Oxide Crystals. Dokl. Akad. Nauk 111, fasc. 3, 564-567 (1956)

Issued: 1 / 1957

One of the most interesting objects for the investigation of the exitonlike absorption of light are cuprous oxide crystals. In this Cuppelates two series of absorption lines could be observed at the temperature of liquid nitrogen: a yellow and a green series, the frequencies of which duly satisfy the series relation of hydrogenlike atoms. The first line (n = 1) of the yellow series deviates considerably from the hydrogenlike relation. If the crystal is cocled down to 1,3° K up to 10 terms of the yellow series could be observed. In Cu20-crystals the exiton can probably be represented, at least at high excited states, by MOTT'S model, i.e. the exiton can be considered as a system consisting in a definite manner of an electron and a hole. The radius of the exiton orbit is enlarged to the E-fold of the orbit of an isolated atom, where is the dielectricity constant of the medium. Because of the large dimensions of the exiton the Stark-effect on the lines of exiton absorption could be observed under the effect of comparatively small fields applied to the crystal. In the case of Cu20-plates of 100 micron thickness the authors were able to make the following observations at 1,3° K by using a magnet for 30.000 prsted:

Dokl. Akad. Nauk 111, fasc. 3, 564-567 (1956) CARD 2 / 2 The first term of the yellow exiton series splits up into a triplet on a magnetic field, which field as usual consists of a not displaced line in the x-component and of a doublet in the o-component. The considerable narrowing of the lines at 1,30 K and the use of a spectrograph with high dispersion permitted the observation of the ZEEMAN splitting up not only in the case of the first narrow line with n = 1, but also in the case of the other terms of the series. The lines n = 3,4,5 split up in the magnetic field into doublets, and these doublets were observed on the occasion of investigations of polarization in the case of π - and also of σ -components. On this occasion the components of the doublets are identical in both components. However, it is possible that ZEEMAN'S splitting up furnishes a quartet (which is not dispolvable) the π - and o-components of which are very close together. Furthermore, the terms of the series which was split up in the magnetic field shift towards shorter wavelengths. Diamagnetic shift in the exiton spectrum permits the determination of the exiton radius, and at n = 5 the value $r_{ex} = 200$ % is found. By means of MOTT'S model r = 280 % is found for the analogous quantity, which may be Thus the quasiparticle exiton actually exists in a solid with the properties

INSTITUTION: Physical-Technical Institute of the Academy of Science in the USSR.

ZAKARACAANAAAA,
AUTHORS: Gross, Ye.F.,

Gross, Ye.F., Zakharchenya, B.P.

57-9-3/40

计可证据 医克拉特氏腺性腺素腺瘤 医腹腔 医皮肤 医多种 医多种 经自然的 医多种 医克拉斯氏 医克拉斯氏 化二甲基乙基

TITLE:

The Diamagnetic Zeeman Effect and the Exiton Structure in Cuprous Oxide Crystal (Diamagnitnyy effekt Zeyemana i struktura eksitona v kristalle zakisi medi)

PERIODICAL:

Zhurnal Tekhn.Fiz., 1957, Vol.27, Nr 9, pp. 1940-1943 (USSR)

ABSTRACT

In the case of a number of crystals narrow lines and absorption bands are observed at the edge of the basic absorption on the side of long waves. The investigation carried out here intends to prove that these narrow lines and bands are caused by exitons and not by an "admixture" center. This investigation is connected with the proof of the existence of the existence of exiton-quasiparticles, which is characteristic of the crystalline state. The author showed already in Zhurnal Tekhn.Fiz., 1956, Vol. 26, p 700 that the Zeeman effect is of a peculiar character the lines of the yellow Cu₂O -series N= 3,4,5,6. This Zeeman effect can be used for the purpose of proving the aforementioned existence. Further inventigations showed that this effect is much more complicated, namely: the observed splitting-up of the lines n = 3,4,5,6 of the yellow exiton series is not caused by the ordinary linear Zeeman effect as was originally assumed by the author, but is conscred with the diamagnetic quadratic Zeeman effect. It is shown that with one and the same n, but different azimuth quantum numbers 1 orbital magnetic quantum numbers m1 somewhat different diamagnetic displace-

Card 1/2